

39. The method as recited in claim 38, wherein the input is a designation of a magnification.

40. The method as recited in claim 39, wherein the input is a designation of a viewing angle.

41. The method as recited in claim 40, the input is a sequential set of inputs.

42. The method as recited in claim 40, the input is a sequential set of inputs from a joystick.

43. The method as recited in claim 40, the input is a sequential set of inputs from a computer.

44. The method as recited in claim 38, the image having properties of a circular field-of-view.

45. The method as recited in claim 38, the image having properties of a hemispherical field-of-view.

46. Apparatus for displaying a portion of an image, the image having a field of view greater than or equal to 180 degrees, the apparatus comprising:

image capturing means for capturing digital data representing at least some of the image;

input means for receiving an input of at least one selected portion of the at least some of the digital data; and

converter means for converting the at least one selected portion to a perspective corrected image in real-time in response to the input.

47. Apparatus for displaying a portion of an image, the image having a field of view greater than or equal to 180 degrees, the apparatus comprising:

a lens for capturing digital data representing at least some of the image;

a joystick of inputting at least one selected portion of the at least some of the digital data; and

a convertor for converting the at least one selected portion to a perspective corrected image in real-time in response to the input.

48. A method for obtaining a wide-angle image, the wide angle image having a field of view greater than or equal to 180 degrees, the method comprising the steps of:

capturing the wide-angle image;

storing the wide-angle image in a format for subsequent display, said format being capable of transformation from said wide-angle image to a perspective-corrected image in real-time responsive to an input.

49. Apparatus for providing a wide-angle image, the wide angle image having a field of view greater than or equal to 180 degrees, the apparatus comprising:

a lens for capturing the wide-angle image;

a memory for storing the wide-angle image in a format for subsequent display, said format being capable of transformation from said wide-angle image to a perspective-corrected image in real time responsive an input.